

1. A lubrication system for a component requiring lubrication during normal and abnormal operating modes, comprising:

5 a reservoir for receiving lubricant during the normal operating mode and for confining a reserve quantity of the lubricant; and

an aspirator communicating with the reserve quantity, the aspirator being directly and continuously driven by a pressurized fluid during both modes of operation.

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2. The lubrication system of claim 1 wherein the pressurized fluid is a working medium fluid extracted from a fluid flowpath of a turbine engine.

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3. The lubrication system of claim 2 wherein the pressurized fluid is bearing compartment buffering air.

4. The lubrication system of claim 2 wherein the reservoir and aspirator reside radially inboard of the flowpath.

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5. The lubrication system of claim 4 wherein the reservoir and aspirator reside within a bearing compartment.

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6. The lubrication system of claim 1 including a supply tube for conveying the pressurized fluid to the aspirator, the supply tube crossing through the reserve quantity of
5 lubricant.

7. The lubrication system of claim 1 wherein the aspirator is a venturi.

10 8. The lubrication system of claim 1 wherein the aspirator discharges a mist of lubricant.

9. The lubrication system of claim 1 including a lubricant supply line extending to the reservoir, the supply line
15 including a check valve and a restrictor.

10. The lubrication system of claim 1 wherein the component requiring lubrication receives a normal aggregate quantity of lubricant during operation in the normal mode and a
20 diminished quantity of lubricant, less than the normal aggregate quantity, during operation in the abnormal mode.

11. The lubrication system of claim 1 wherein the component requiring lubrication is a bearing.

12. A failure tolerant lubrication system, comprising:

 a reservoir that receives a fractional quantity of lubricant during a normal mode of operation and a diminished fractional quantity of lubricant during an abnormal mode of operation and that confines a reserve quantity of lubricant;

 a lubricant supply line connected to a main lubricant supply for supplying the fractional and diminished fractional quantities of lubricant to the reservoir;

 10 a venturi communicating with the reserve quantity of lubricant; and

 a fluid supply tube permanently connected to a source of pressurized motive fluid and to the venturi for directly powering the venturi during both modes of operation.

13. A method for lubricating a component requiring lubrication, comprising:

5 supplying a primary stream of lubricant to the component;

concurrently supplying a secondary mist of lubricant to the component, the secondary mist being directly powered by a power source; and

10 upon disruption of the primary stream, continuing to provide the secondary mist for at least a limited time under the direct influence of the same power source.

14. The method of claim 13 wherein the power source is pressurized air acting through a venturi.